

IN THE CLAIMS:

Please amend the claims as indicated below:

1 (Original). A pivotable mixer bowl comprising:

a bowl body for receiving material to be mixed;

a first mounting bracket coupled to and extending from an outer surface of said bowl body and having an opening therein;

a second mounting bracket coupled to and extending from said outer surface and having an opening therein, said second mounting bracket being vertically spaced from said first mounting bracket, said opening of said second mounting bracket being generally aligned with said opening of said first mounting bracket to define a pivot axis of said mixer bowl; and

a locking bracket coupled to and extending from an outer surface of said bowl body.

2 (Original). The bowl of claim 1 wherein said locking bracket has an opening therein and is located on an opposite side of said bowl body relative to said first and second mounting brackets.

3 (Original). The bowl of claim 2 wherein said locking bracket is located about 180 degrees opposite said first and second mounting brackets on said bowl body.

4 (Original). The bowl of claim 1 wherein said bowl body includes an upper edge, and wherein said locking bracket is located adjacent to said upper edge.

5 (Original). The bowl of claim 1 wherein said bowl body includes an upper edge, and wherein said bowl further includes a protrusion coupled to and extending from an outer surface of said bowl body, said protrusion being located adjacent to said upper edge.

6 (Original). The bowl of claim 5 wherein said edge is generally circular in top view, and wherein said protrusion is located about 90 degrees apart from both said locking bracket and said mounting brackets.

7 (Original). The bowl of claim 1 further comprising a pair of handles coupled to said bowl body, each handle being located on opposite sides of said bowl body.

8 (Original). The bowl of claim 1 wherein said locking bracket has an opening therein and wherein said openings of said mounting brackets and said locking bracket are generally circular in top view.

9-11 (Canceled).

12 (Currently Amended). ~~The mixer system of claim 9 further comprising~~ A mixer system comprising:

a bowl for receiving a material to be mixed, said bowl including a protruding part;

and

a mixer body having a rotatable output component extending downward toward a bowl-receiving yoke shaped to receive said bowl therein, a hinge about which the bowl is pivotable between a loading/unloading position and a closed position relative to said yoke, a downwardly retractable locking pin coupled to said yoke and being shaped to be received in or located adjacent to said protruding part of said bowl when said bowl is in the closed position so as to prevent said bowl from pivoting relative to said yoke; and

a manual locking pin actuator.

13 (Previously Presented). The mixer system of claim 12 wherein said manual locking pin actuator includes a handle extending from a side portion of said yoke.

14 (Currently Amended). ~~The mixer system of claim 9 wherein said mixer system further includes~~ A mixer system comprising:

a bowl for receiving a material to be mixed, said bowl including a protruding part;

and

a mixer body having a rotatable output component extending downward toward a bowl-receiving yoke shaped to receive said bowl therein, a hinge about which the bowl is pivotable

between a loading/unloading position and a closed position relative to said yoke, a downwardly retractable locking pin coupled to said yoke and being shaped to be received in or located adjacent to said protruding part of said bowl when said bowl is in the closed position so as to prevent said bowl from pivoting relative to said yoke; and

a switch located on said mixer body for detecting when said bowl is in said closed position.

15 (Original). The mixer system of claim 14 further comprising an actuating assembly coupled to said mixer body and movable toward said switch, said bowl including a protrusion that engages said actuating assembly when said bowl is in the closed position to urge said actuating assembly into contact with said switch to cause said switch to be triggered.

16 (Previously Presented). The mixer system of claim 15 wherein said yoke is vertically movable along said mixer body and said switch is at a fixed vertical position, and wherein said actuating assembly includes a switch plate coupled to move with said yoke and extending generally vertically such that said switch plate can engage said switch during the entire range of vertical motion of said yoke relative to said mixer body.

17 (Original). The mixer system of claim 16 wherein said bowl includes an upper edge and wherein said protrusion is located adjacent to said upper edge.

18-24 (Canceled).

25 (Currently Amended). ~~The mixer system of claim 24~~ A mixer system comprising:

a bowl for receiving a material to be mixed;

a mixer body having a rotatable output component;

a hinge, said bowl pivoting about said hinge relative to said mixer body when said bowl is moved between a loading/unloading position relative to said mixer body and a closed position relative to said mixer body;

a sensor for detecting when said bowl is in said closed position;

an actuating assembly coupled to said mixer body and wherein said sensor includes a switch coupled to said mixer body and said bowl includes a protrusion located on an outer surface thereof, and wherein when said bowl is in said closed position said protrusion engages said actuating assembly and urges said actuating assembly into contact with said switch to cause said switch to be triggered; and

wherein said actuating assembly is vertically movable along said mixer body, said switch is in a fixed vertical position, and wherein said actuating assembly extends generally vertically such that said actuating assembly can engage said switch for the entire vertical range of motion of said actuating assembly relative to said mixer body.

26 (Canceled).

27 (Currently Amended). ~~The mixer system of claim 34 further including~~ A mixer system comprising:

a bowl for receiving a material to be mixed;

a mixer body having a rotatable output component;

a hinge, said bowl pivoting about said hinge relative to said mixer body when said bowl is moved between a loading/unloading position relative to said mixer body and a closed position relative to said mixer body; and

a sensor for detecting when said bowl is in said closed position; and

a drive for raising and lowering said yoke and said bowl relative to said mixer body and a control circuit for receiving an output of said sensor and responsively preventing said bowl from being raised when said bowl is not in said closed position.

28 (Currently Amended). The mixer system of ~~claim 34~~ claim 27 further including a motor for driving the rotatable output component, and the control unit for receiving an output of said sensor and responsively preventing prevents said motor from driving said rotatable output component when said bowl is not in said closed position.

29-31 (Canceled).

32 (Currently Amended). ~~The mixer system of claim 41~~ A mixer system comprising:

a bowl; and

a bracket arrangement extending from said bowl, said bracket arrangement defining at least a first opening and a second opening, the first opening being vertically spaced from said second opening and aligned therewith to define a pivot axis;

where said bracket arrangement is defined by a first bracket coupled to and extending from said bowl and having said first opening and a second bracket coupled to and extending from said bowl and having said second opening.

33 (Currently Amended). ~~The mixer system of claim 41~~ A mixer system comprising:

a bowl; and

a bracket arrangement extending from said bowl, said bracket arrangement defining at least a first opening and a second opening, the first opening being vertically spaced from said second opening and aligned therewith to define a pivot axis;

wherein said bracket arrangement is defined by a single bracket which is coupled to and extends from said bowl and defines both said first opening and said second opening.

34-36 (Canceled).

37 (Currently Amended). ~~The mixer system of claim 36~~ A mixer system comprising:

a bowl for receiving a material to be mixed;

a mixer body having a rotatable output component;

a hinge, said bowl pivoting about said hinge relative to said mixer body when said bowl is moved between a loading/unloading position relative to said mixer body and a closed position relative to said mixer body;

a sensor for detecting when said bowl is in said closed position;

wherein said hinge is formed by a combination of a portion of said bowl and a portion of said mixer body;

wherein said portion of said bowl comprises at least one bracket having at least one opening therein and said portion of said mixer body comprises at least one pin received in said opening of said bracket.

38 (Currently Amended). ~~The mixer system of claim 41, further comprising~~ A mixer system comprising:

a bowl; and

a bracket arrangement extending from said bowl, said bracket arrangement defining at least a first opening and a second opening, the first opening being vertically spaced from said second opening and aligned therewith to define a pivot axis; and

a locking bracket coupled to an extending from said bowl on a side of said bowl opposite said bracket arrangement.

39 (Previously Presented). The mixer system of claim 38 further comprising a protrusion extending from said bowl and located between said bracket arrangement and said locking bracket.

40 (Currently Amended). ~~The mixer system of claim 41~~ A mixer system comprising:

a bowl; and

a bracket arrangement extending from said bowl, said bracket arrangement defining at least a first opening and a second opening, the first opening being vertically spaced from said second opening and aligned therewith to define a pivot axis;

wherein said bracket arrangement is coupled to said bowl.

41 (Canceled).

42 (Currently Amended). ~~The mixer system of claim 41~~ A mixer system comprising:

a bowl; and

a bracket arrangement extending from said bowl, said bracket arrangement defining at least a first opening and a second opening, the first opening being vertically spaced from said second opening and aligned therewith to define a pivot axis;

wherein said bowl is a two piece bowl including a collar and a bowl body shaped to be removably received in said collar.

43 (Previously Presented). A mixer system comprising:

a bowl for receiving a material to be mixed and including a protruding part;

a mixer body having a rotatable output component, a yoke to receive said bowl, and a locking part;

a hinge supporting said bowl, said bowl pivoting about said hinge relative to said mixer body when said bowl is moved between a loading/unloading position relative to said yoke and a closed position adjacent to said yoke, where said protruding part contacts said locking part to hold said bowl in said closed position;

when said bowl is in said closed position said hinge is located on a side of said bowl that is opposite said protruding part and said locking member;

wherein said hinge independently supports said bowl such that an orientation of an axis of said bowl relative to said mixer body remains substantially unchanged as the bowl is pivoted from the loading/unloading position toward said closed position.

44 (Previously Presented). The mixer system of claim 43 wherein said bowl further includes a protrusion extending therefrom and positioned to extend toward said yoke when said bowl is in said closed position for activating a sensor on the mixer body.

45 (Previously Presented). The mixer system of claim 43 wherein said locking part comprises a movable member.

46 (Previously Presented). The mixer system of claim 43 wherein said hinge is formed by engagement between at least a first part fixed to the bowl and at least a second part fixed to the yoke.

47 (Canceled).

48 (Currently Amended).     ~~The mixer system of claim 47~~ A mixer system comprising:

a bowl body defining a space for receiving a material to be mixed and having an outer surface with at least one bowl hinge component fixed thereon;

a mixer body having a rotatable output component and at least one body hinge component fixed thereon;

wherein the bowl hinge component and the body hinge component engage each other to form a hinge about which said bowl body pivots relative to said mixer body to move between a loading/unloading position relative to said mixer body and a closed position relative to said mixer body;

wherein said hinge independently supports said bowl body such that an orientation of an axis of said bowl body relative to said mixer body remains substantially unchanged as the bowl body is pivoted from the loading/unloading position toward said closed position;

wherein the bowl hinge component rests on the body hinge component such that movement of the bowl hinge component vertically upward and away from the body hinge component disengages the two components.

49 (Previously Presented).     A mixer system comprising:

a bowl for receiving a material to be mixed and having at least one associated bowl hinge component;

a mixer body having a rotatable output component and at least one body hinge component thereon;

wherein the bowl hinge component and the body hinge component engage each other to form a hinge about which said bowl pivots relative to said mixer body to move between a loading/unloading position relative to said mixer body and a closed position relative to said mixer body;



wherein said hinge independently supports said bowl such that an orientation of an axis of said bowl relative to said mixer body remains substantially unchanged as the bowl is pivoted from the loading/unloading position toward said closed position; and

wherein the bowl hinge component rests on the body hinge component such that movement of the bowl hinge component vertically upward and away from the body hinge component disengages the two components.

50 (Previously Presented). The mixer system of claim 49 wherein the bowl comprises a two-piece bowl including a bowl body and a collar for removably receiving the bowl body, the bowl hinge component is fixed to the collar.

51 (Previously Presented). The mixer system of claim 49 wherein the body hinge component is fixed to the mixer body.

52 (New). The mixer system of claim 12 wherein the mixer body includes a sensor for detecting when the bowl is in the closed position, and wherein said hinge independently supports said bowl such that an orientation of an axis of said bowl relative to said mixer body remains substantially unchanged as the bowl is pivoted from the loading/unloading position toward said closed position.

53 (New). The mixer system of claim 14 wherein the bowl-receiving yoke is mounted for up and down movement relative to the rotatable output component, a drive is provided to effect movement of the bowl-receiving yoke, and a control circuit is coupled with the switch and the drive, the control circuit prevents the drive from moving the bowl-receiving yoke upward when the switch indicates the bowl is not in the closed position.

54 (New). The mixer system of claim 14 wherein the mixer body includes a drive for effecting movement of the rotatable output component, and a control circuit is coupled with the switch and the drive, the control circuit prevents the drive from moving the rotatable output component when the switch indicates the bowl is not in the closed position.

55 (New). The mixer system of claim 32 wherein a locking bracket extends from a side of said bowl opposite said bracket arrangement, and a protrusion extends from said bowl at a location intermediate the locking bracket and said bracket arrangement.

56 (New). The mixer system of claim 33 wherein a locking bracket extends from a side of said bowl opposite said bracket arrangement, and a protrusion extends from said bowl at a location intermediate the locking bracket and said bracket arrangement.

57 (New). The mixer system of claim 37 wherein said hinge independently supports said bowl such that an orientation of an axis of said bowl relative to said mixer body remains substantially unchanged as the bowl is pivoted from the loading/unloading position toward said closed position, wherein the mixer body includes a drive for effecting movement of the rotatable output component, and a control circuit is coupled with the sensor and the drive, the control circuit prevents the drive from moving the rotatable output component when the sensor indicates the bowl is not in the closed position.

58 (New). The mixer system of claim 40 wherein a locking bracket extends from a side of said bowl opposite said bracket arrangement, and a protrusion extends from said bowl at a location intermediate the locking bracket and said bracket arrangement.

59 (New). The mixer system of claim 42 wherein a locking bracket extends from a side of said bowl opposite said bracket arrangement, and a protrusion extends from said bowl at a location intermediate the locking bracket and said bracket arrangement.

60 (New). The mixer system of claim 44 wherein the mixer body includes a drive for effecting movement of the rotatable output component, and a control circuit is coupled with the sensor and the drive, the control circuit prevents the drive from moving the rotatable output component when the sensor indicates the bowl is not in the closed position.

61 (New). The mixer system of claim 48 wherein the mixer body includes a sensor for detecting when the bowl body is in the closed position.

62 (New). The mixer system of claim 49 wherein the mixer body includes a sensor for detecting when the bowl is in the closed position.